Crash in Mirage aircraft in M.P.

*140. SHRI IQBAL SINGH : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that a Mirage aircraft of the Indian Air Force crashed in a field near the Maharajpur airport in Madhya Pradesh;

(b) if so, whether the above incident was nquired into;

(c) if so, the reasons for the crash;

(d) the number of persons who died in the crash;

(e) the particulars of the persons who have not yet been traced; and

(f) the steps taken or proposed to be taken by Government in this respect ?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE (SHRI MALLIKARJUN) : (a) Yes, Sir.

(b) and (c) A Court of Inquiry is under progress. The preliminary finding is that the accident was due to a bird hit.

(d) None. The pilot ejected safely.

(e) None.

(f) Flying accidents are generally caused due to Human Error, Technical defects or Bird Hazard. Government have taken steps to improve the initial selection, Basic and Advanced Training of pilots to ensure that human error is reduced to the minimum. In respect of technical factors, the IAF is ensuring that maintenance of aircraft is improved and where technical defects come to light, prompt remedial measures are taken in consultation with manufacturers. To minimise Bird hazard, measures to reduce bird activity and improve sanitation near airfields have been taken.

भाभा परमाण अनुसंधान केन्द्र से प्राप्त होने वाला राजस्व

1263. **चौधरी हरमोहन सिंह :** क्या प्रधान मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या यह सच है कि भाभा परमाण् अनुसंधान केन्द्र से प्राप्त होने वाले राजस्व में कमी आई है ;

(ख) यदि हां, तो इसके क्या कारण है; और

(ग) सरकार ने राजस्व में बढ़ोतरी हेतु क्या प्रयास किए हैं ?

प्रधान मंत्री कार्यालय म राज्य मंत्री (श्री भुवनेश चतुर्वेदी) : (क) जी, नहीं । 1991-92 में प्राप्त 944.65 लाख रूपए के राजस्व की तुलना में, 1992-93 में 1140.00 लाख रूपए का राजस्व अर्जित किया गया और आशा है कि 1993-94 में 1240.00 लाख रूपए का राजस्व प्राप्त होगा ।

(ख) और (ग) यह प्रश्न ही नहीं उठता ।

Declining Nuclear Power Generation

1264. SHRI K. T. RAMACHANDRAN : Will the PRIME MINISTER be pleased to state :

(a) what is the total power generation by nuclear power stations in the country during the current year, till date for which data is available.

(b) what are the reasons for stagnation in the growth of power generation by nuclear power stations since 1988-89; and

(c) what steps are being taken to improve the situation and to increase power generation by nuclear power stations in the country ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) During the first ten months of the current financial year from 1st April 1993 to 31st January 1994, gross generation from nuclear power stations in operation amount to 4762 million units.

(b) Year-wise gross generation from Nuclear Power Stations in operation is given below :

	Total Generation MUs
1988-89 . . .	6009
1989-90 . . .	4811
1990-91 . . .	6328
1991-92 . . .	5623
1992-93 . . .	6803

There was a drop in generation in 1989-90 compared to the previous year because of failure of generator transformer in the 2nd unit of Tarapur Atomic Power Station and the moderator inlet manifold in the two units of Madras. The generation in 1991-92 was less compared to 1990-91 because of restricted operational power in the two units of Madras, generator transformer failure in the first unit of Madras and safety related modifications and maintenance works in NAPS-I and other units.

Generation in the current year is low because of the fire incident in Narora Atomic Power Station in March, 1993 and the consequent series of inservice inspection in the turbines of Madras Atomic Power Station (MAPS), Narora Atomic Power Station (NAPS-2) and Kakrapar Atomic Power Station (KAPS) apart from rehabilitation work in the first unit of Narora.

(c) To improve generation effective in-service inspection and preventive maintenance of plants in operation have been taken up by the Nuclear Power Corporation of India Ltd. (NPCIL). The installed capacity of nuclear power generation is also being raised to 2820 MWe with the commissioning of 5 units of 220 MWe each which are under active implementation.

Proper maintenance of Atomic Power Plants

1265. SHRI VIREN J. SHAH : Will the PRIME MINISTER be pleased to state :

(a) whether Government's attention has been drawn to a Prime Time television report published in the Pioneer of February 15, 1994 under the caption "India's N-Plan a dangerous failure";

(b) if so, what are the facts in this regard;

(c) to what extent India's nuclear programmes could cause serious health problems;

(d) the number of nuclear mishaps and breakdowns which took place in 1993 and so far in 1994 and what are the details in this regard;

(e) what are the reasons therefor; and

(f) what are the details of steps Government have so far taken for proper functioning and maintenance of our Atomic Power Plants ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI) BHUVNESH CHATURVEDI) : (a) and (b) The Columbia Broadcasting Service (CBS) of the United States telecast a programme on 13th February 1994 "Sixty Minutes", a segment of which was on our nuclear programme. Quoting this telecast, reports have appeared in various Indian newspapers highlighting the alleged serious deficiencies in the Indian nuclear power programme.

(c) Radioactive releases from Nuclear Power Plants do not cause any appreciable increase in the radiation levels over and above what is existing in nature. These releases are well within the permissible limits. The Nuclear Power Plants do not pose any radiation hazard to the people and environment.

(d) and (e) There has been no accidents (mishaps) in our nuclear power plants so far. In 1993, there were 49 outages (of duration more than 24 hours in the nine nuclear power plants in operation, i.e. about 5 outages per unit. In 1994 till end of January, the total number of outages have been 13 in nine nuclear power plants in operation, i.e. about 1 outage per unit on an average. These outages have been mainly due to equipment problem in the conventional side and are similar to such shutdowns in any power station or engineering industry.

(f) Adequate provision exists for safe and reliable operation of all nuclear power plants, through 'Technical Specifications' and 'Procedures' approved by Atomic Energy Regulatory Board (AERB) and professional organisational set up of each power stations. A series of in-service inspections of turbines have been carried out and modifications to blades have been implemented/in progress in the operating units consequent on the Narora fire incident. The nine atomic power plants in commercial operation in the country have been functioning by and large satisfactorily and contributing to generation of electric power. Preventive and protective maintenance procedures are being further tightened to improve the generation level of the operating plants. The country is committed to development of nuclear energy for peaceful purposes and commendable progress has been achieved by the Indian scientists and technologists.